Performance Data Sheet

THB1355YXC

General Information

Model	THB1355YXC	**Refrigerant**	R-134a
Test Condition	ASHRAE	**Performance Test Voltage**	220V ~ 50HZ
Return Gas	32.2°C (90°F) RETURN GAS	**Motor Type**	N/A

Performance Information

Evap Temp (°F)		Condensing Temperature (°F)						
		80	**90**	**100**	**110**	**120**	**130**	**140**
-40	Btu/h	284	253	222	190	159	127	95.2
	Watts	87.8	84.9	81.9	79.0	76.0	73.0	69.9
	Amps	0.84	0.82	0.81	0.79	0.77	0.76	0.74
	Lb/h	3.72	3.31	2.91	2.50	2.10	1.70	1.31
-35	Btu/h	327	296	264	233	201	169	137
	Watts	92.4	90.2	88.0	85.7	83.4	81.1	78.8
	Amps	0.84	0.83	0.82	0.81	0.79	0.78	0.77
	Lb/h	4.15	3.75	3.34	2.94	2.54	2.15	1.75
-30	Btu/h	377	346	314	282	250	218	186
	Watts	97.2	95.8	94.2	92.7	91.1	89.5	87.9
	Amps	0.85	0.84	0.83	0.82	0.81	0.80	0.79
	Lb/h	4.72	4.31	3.91	3.51	3.11	2.72	2.32
-25	Btu/h	434	403	371	339	307	274	242
	Watts	102	102	101	100	99.2	98.3	97.4
	Amps	0.85	0.84	0.84	0.83	0.83	0.82	0.82
	Lb/h	5.41	5.01	4.61	4.20	3.81	3.41	3.01
-20	Btu/h	499	467	435	403	371	338	306
	Watts	108	108	108	108	108	107	107
	Amps	0.85	0.85	0.85	0.85	0.85	0.85	0.84
	Lb/h	6.23	5.82	5.42	5.01	4.61	4.21	3.82
-15	Btu/h	571	539	507	475	442	410	378
	Watts	114	114	115	116	116	117	118
	Amps	0.86	0.86	0.86	0.86	0.87	0.87	0.87
	Lb/h	7.16	6.75	6.34	5.93	5.53	5.13	4.73
-10	Btu/h	651	619	587	555	522	490	457
	Watts	120	122	123	124	126	127	128
	Amps	0.86	0.87	0.87	0.88	0.88	0.89	0.90
	Lb/h	8.19	7.78	7.37	6.96	6.55	6.14	5.73
-5	Btu/h	739	707	675	643	611	578	546
	Watts	127	129	131	133	135	138	140
	Amps	0.86	0.87	0.88	0.89	0.90	0.91	0.92
	Lb/h	9.33	8.91	8.49	8.08	7.66	7.25	6.83

0	Btu/h	836	804	772	740	708	676	643
	Watts	134	137	140	143	146	149	151
	Amps	0.87	0.88	0.90	0.91	0.92	0.94	0.95
	Lb/h	10.6	10.1	9.71	9.29	8.86	8.44	8.02
5	Btu/h	941	910	878	846	814	782	750
	Watts	142	146	150	153	157	160	164
	Amps	0.87	0.89	0.91	0.93	0.95	0.96	0.98
	Lb/h	11.9	11.4	11.0	10.6	10.1	9.71	9.28
10	Btu/h	1060	1030	994	962	930	898	866
	Watts	151	155	160	164	168	173	177
	Amps	0.88	0.90	0.93	0.95	0.97	0.99	1.01
	Lb/h	13.3	12.8	12.4	11.9	11.5	11.1	10.6

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	1.088238E+03	1.105329E+02	7.515246E-01	1.400421E+01
C2	2.004715E+01	3.074497E-01	-5.270305E-03	2.676440E-01
C3	-3.164492E+00	2.948422E-01	1.446555E-03	-4.305555E-02
C4	1.717155E-01	1.045845E-02	1.282662E-05	1.952746E-03
C5	2.890402E-03	1.524354E-02	7.881230E-05	-1.521012E-04
C6	3.527871E-04	7.496761E-05	3.028246E-07	-1.577685E-06
C7	4.254692E-04	6.310293E-05	3.614826E-07	-9.160371E-06
C8	8.754935E-05	1.418072E-05	1.194717E-07	-2.749283E-06
C9	-3.594272E-06	-3.574924E-07	4.099955E-09	-5.677314E-08
C10	-3.221967E-06	-6.671537E-07	-3.060054E-09	2.735315E-08

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature